

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Sir:

Transmitted herewith for filing is the Patent Application of

Inventor (s): Edward Ray Beadle, Richard Hugh Anderson, John Fitzgerald Dishman,  
Paul David Anderson and Gayle Patrick MartinTitle: SYSTEM AND METHOD FOR HYBRID MINIMUM MEAN SQUARED  
ERROR MATRIX-PENCIL SEPARATION WEIGHTS FOR BLIND SOURCE  
SEPARATION

Enclosed are:

- [X] Eighty-five (85) pages of specification and Claims 1-28, including an Abstract.
- [X] Twelve (12) sheets of formal drawings showing Figures 1-10, 11a, 11b, 12a, and 12b.
- [X] Combined Declaration and Power of Attorney.
- [X] A check in the amount of \$1,086.00 to cover the filing fee as calculated below:

NUMBER OF CLAIMS			NUMBER EXTRA		LARGE/SMALL ENTITY		FEE
TOTAL	28	- 20 =	08	x	\$18 OR \$9	=	\$144
INDEP.	05	- 03 =	02	x	\$86 OR \$43	=	\$172
MULTIPLE DEPENDENT	[ ] YES				\$290 OR \$145	=	\$
(\$770.00 OR \$385.00) BASIC FILING FEE = \$770.00				TOTAL FILING FEES = \$1,086.00			

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or to credit any overpayment to Deposit Account No. 04-1679. A duplicate of this sheet is enclosed.

Respectfully submitted,



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